

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: Salonijs, <i>et al.</i>	)	Int. Cl: A01K 61/00
Patent No: 7,302,913 B2	)	U.S. Cl.: 119/215
Issued: December 4, 2007	)	Atty Docket No. N079 1050.1

For: **VACCINE AGAINST SALMONID RICKETTSIAL SEPTICAEMIA BASED ON  
ARTHROBACTER CELLS**

**REQUEST FOR CORRECTION OF ERROR IN PATENT**

**Under 37 CFR § 1.323**

**Certificate of Correction of Combined Applicant's and Office Mistake**

CERTIFICATE OF CORRECTION OFFICE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Assignee of the above-identified patent hereby requests that a Certificate of Correction be issued for this U.S. Patent. Form PTO SB/44 is attached and provides the requested changes as they should be listed. These errors are either printing errors made by the USPTO upon printing of the patent or are typographical errors that occurred in good faith. The corrections requested do not constitute new matter or require reexamination.

The Director is authorized to charge the fee for this correction to Deposit Account No. **09-0528** in accordance with the Fee Transmittal submitted herewith.

Assignee requests that the following errors be corrected:

On the face page: PCT Priority data should be included to read, "PCT Filed: July 14, 2003"  
"PCT No. PCT/EP03/07605" "371(c)(1), (c)(4) Date: February 14, 2005".

On the face page under "References Cited": The following publications should be included:

"Kuzyk, *et al.*, "An Efficacious Recombinant Subunit Vaccine Against the Salmonid Reckettsial Pathogen Prscirickettsia Salmonis," *Vaccine*, Vol 19, No. 17-19, pp. 2337-2342 (2001)."

"Kuzyk, *et al.*, "Antigenic Characterization of the Salmonid Pathogen Piscirickettsiasalmonis," *Infection and Immunity*, Vol. 64, No. 12, pp. 5202-5210, (1996)."

"Koch, *et al.*, "16S RDNA Studies on Members of Arthrobacter and Micrococcus: An aid for their Future Taxonomic Restructuring," *FEMS Microbiology Letters*, Vol. 123, No. ½, pp. 167-171, (1994)."

Gudding, *et al.*, "Recent Developments in Fish Vaccinology," *Veterinary Immunology and Immunopathology*, Vol. 72, pp. 203-212, (1999).

Jones, "The Effect of Microbial Extracts on the Severity of Experimental Piscirickettsia Salmonis Infection in COHO Salmon, Oncorhynchus Kisutch," *Developments in Biological Standardization*, Vol. 90, page 430, (1997).

In support of the foregoing request for correction, Applicants enclose a copy of the International Search Report issued in parent Application No. PCT No. PCT/EP03/07605, issued December 30, 2003, a copy of Form PCT/DO/EO/903 (see acknowledgement of receipt of "Copy of references cited in ISR filed on 01/11/2005"), and a copy of the PTO 1449 and accompanying Information Disclosure Statement filed with the U.S. Patent Office on January 11, 2005.

In the Specification:

At Column 4, line 45, "59921" should be replaced with "55921".

In the Claims:

In Claim 3, Column 11, should read, "ATCC accession number 55921".

In Claim 4, Column 11, should read, "ATCC accession number 55921".

As noted above, these corrections address printing and typographical errors.

Respectfully submitted,



Carl B. Massey, Jr.  
Reg. No. 44,224  
Attorney for Assignee

Date: April 14, 2008

Womble Carlyle Sandridge & Rice, PLLC  
P.O. Box 7037  
Atlanta, Georgia 30357-0037  
Telephone: (336) 721-3681 / Facsimile: (336) 726-8074

**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**

**PATENT NO:** 7,302,913 B2

**DATED:** December 4, 2007

**INVENTOR(S):** Salonijs, *et al.*

It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the face page: PCT Priority data should be included to read, "PCT Filed: July 14, 2003"  
"PCT No. PCT/EP03/07605" "371(c)(1), (c)(4) Date: February 14, 2005"

On the face page under "References Cited": The following publications should be included:  
"Kuzyk, *et al.*, "An Efficacious Recombinant Subunit Vaccine Against the Salmonid Reckettisia Pathogen Prscirickettsia Salmonis," *Vaccine, Vol 19, No. 17-19*, pp. 2337-2342 (2001)."

"Kuzyk, *et al.*, "Antigenic Characterization of the Salmonid Pathogen Piscirickettsiasalmonis," *Infection and Immunity, Vol. 64, No. 12*, pp. 5202-5210, (1996)."

"Koch, *et al.*, "16S RDNA Studies on Members of Arthrobacter and Micrococcus: An aid for their Future Taxonomic Restructuring," *FEMS Microbiology Letters, Vol. 123, No. 1/2*, pp. 167-171, (1994)."

Gudding, *et al.*, "Recent Developments in Fish Vaccinology," *Veterinary Immunology and Immunopathology, Vol. 72*, pp. 203-212, (1999).

Jones, "The Effect of Microbial Extracts on the Severity of Experimental Piscirickettsia Salmonis Infection in COHO Salmon, Oncorhynchus Kisutch," *Developments in Biological Standardization, Vol. 90*, page 430, (1997).

In the Specification:

At Column 4, line 45, "59921" should be replaced with "55921".

In the Claims:

In Claim 3, Column 11, Line 5, "59921" should be replaced with -- 55921 --

In Claim 4, Column 11, line 7, "59921" should be replaced with -- 55921 --

**MAILING ADDRESS OF SENDER:**  
Carl B. Massey, Jr., Esq. (Reg. No. 44,224)  
Womble Carlyle Sandridge & Rice, PLLC  
P.O. Box 7037  
Atlanta, GA 30357-0037

**PATENT NO.** 7,302,913 B2  
No of additional copies

Page 1 of 1

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, US Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.  
If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

WCSR 3842270v1

Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

**FEE TRANSMITTAL  
For FY 2008**

Complete If Known

☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT**

(\$100.00)

Application Number U.S. Pat. No. 7,302,913 B2

Filing Date Issued: December 4, 2007

First Named Inventor Salenius, et al.

Examiner Name Abbott

Art Unit 3644

Attorney Docket No. N079 1050.1

**METHOD OF PAYMENT (check all that apply)**

- ☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_
- ☒ Deposit Account Deposit Account Number: 09-0528 Deposit Account Name: Womble Carlyle, et al.
- For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)
- ☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee
- ☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

Warning: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

## FILING FEES

## SEARCH FEES

## EXAMINATION FEES

Application Type:	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fees Paid (\$)
Utility	310	155	510	255	210	105	
Design	210	105	100	50	130	65	
Plant	210	105	310	155	160	80	
Reissue	310	155	510	255	620	310	
Provisional	210	105	0	0	0	0	

**2. EXCESS CLAIM FEES**Fee Description

Each claim over 20 (including Reissues)

Each independent claim over 3 (including Reissues)

Multiple dependent claims

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
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\_\_\_\_\_ - 20 or HP = \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
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\_\_\_\_\_ - 3 or HP = \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_

HP = highest number of independent claims paid for, if greater than 3.

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$260 (\$130 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
--------------	--------------	--	----------	---------------

\_\_\_\_\_ - 100 = \_\_\_\_\_ / 50 = \_\_\_\_\_ (round up to a whole number) x \_\_\_\_\_ = \_\_\_\_\_

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): Request for Certificate of Correction fee

Fees Paid (\$)

100

**SUBMITTED BY**

Signature

Registration No.  
(Attorney/Agent) 44,224

Telephone 336.721.3681

Name (Print/Type)

Carl B. Massey, Jr.

Date 4/14/08

This collection of information is required by 37CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select Option 2.

# INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP 03/07605

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K39/02

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, EMBASE, EFO-Internal, BIOSIS

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 98 33884 A (GRIFFITHS STEVEN GARETH ; SALONIUS KIRA (CA); AQUA HEALTH EUROP LTD) 6 August 1998 (1998-08-06)	7-14,21
A	the whole document	1-6, 15-20
Y	KUZYK M A ET AL: "An efficacious recombinant subunit vaccine against the salmonid rickettsial pathogen <i>Piscirickettsia salmonis</i> " VACCINE, BUTTERNORTH SCIENTIFIC. GUILDFORD, GB, vol. 19, no. 17-19, 21 March 2001 (2001-03-21), pages 2337-2344, XP004231046 ISSN: 0264-410X	7-14,21
A	page 2342, left-hand column, paragraph 2 -page 2343, left-hand column, paragraph 3	1-6, 15-20
	--- -/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- \*A\* document member of the same patent family

Date of the actual completion of the international search

3 December 2003

Date of mailing of the international search report

30/12/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5518 Patentkan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax (+31-70) 340-3016

Authorized officer

Heiduschat, C

## INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP 03/07605

C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 96 11707 A (OREGON STATE) 25 April 1996 (1996-04-25)	7-14, 21
A	the whole document	1-6, 15-20
A	----- KUZYK M A ET AL: "ANTIGENIC CHARACTERIZATION OF THE SALMONID PATHOGEN PISCIRICKETTSIA SALMONIS" INFECTION AND IMMUNITY, AMERICAN SOCIETY FOR MICROBIOLOGY, WASHINGTON, US, vol. 64, no. 12, December 1996 (1996-12), pages 5205-5210, XP001029511 ISSN: 0019-9567 page 5208, left-hand column, paragraph 3 -page 5209, left-hand column, last paragraph	1-21
A	----- KOCH C ET AL: "16S RDNA STUDIES ON MEMBERS OF ARTHROBACTER AND MICROCOCCUS: AN AID FOR THEIR FUTURE TAXONOMIC RESTRUCTURING" FEMS MICROBIOLOGY LETTERS, AMSTERDAM, NL, vol. 123, no. 1/2, 1994, pages 167-171, XP002066096 ISSN: 0378-1097 page 168, right-hand column, paragraph 2 page 170, left-hand column, paragraph 2	1-21
A	----- GUDDING R ET AL: "Recent developments in fish vaccinology" VETERINARY IMMUNOLOGY AND IMMUNOPATHOLOGY, AMSTERDAM, NL, vol. 72, 1999, pages 203-212, XP002968601 ISSN: 0165-2427 page 207 -page 209	1-21
A	----- JONES S R M: "THE EFFECT OF MICROBIAL EXTRACTS ON THE SEVERITY OF EXPERIMENTAL PISCIRICKETTSIA SALMONIS INFECTION IN COHO SALMON, ONCORHYNCHUS KISUTCH" DEVELOPMENTS IN BIOLOGICAL STANDARDIZATION, KARGER, BASEL, CH, vol. 90, 1997, page 430 XP009016791 ISSN: 0301-5149 the whole document	1-21

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/EP 03/07605

## Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:  
Although claims 19 to 21 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☒ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

### Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.  
☐ No protest accompanied the payment of additional search fees.



FURTHER INFORMATION CONTINUED FROM PCT/SA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-6, 15 -20

Invention I: Use of live *Arthrobacter* cells for the preparation of a medicament for treatment or prevention of piscirickettsiosis in fish, vaccine composition or kit comprising live *Arthrobacter* in combination with a *P. salmonis* antigen and use thereof for protection against SRS and BKD.

2. Claims: 7, 8, 14 (completely), 9-13 (partially)

Invention II: Vaccine composition comprising live *Arthrobacter* cell in combination with an immunostimulant, e.g. cell material from killed *Arthrobacter* cells, or a further, non specified, immunogen

3. Claims: 9-13 (all partially), 21

Invention III: Vaccine composition comprising cell material from killed *Arthrobacter* cells as immunostimulant, use of killed *Arthrobacter* cell material as immunostimulant for fish.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No.

PCT/EP 03/07605

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9833884	A	06-08-1998	AU 5773998 A EP 1012230 A1 WO 9833884 A1 US 6627203 B1	25-08-1998 28-06-2000 06-08-1998 30-09-2003
WO 9611707	A	25-04-1996	US 5871751 A AU 4000195 A CA 2202499 A1 GB 2308300 A ,B NO 971650 A WO 9611707 A1	16-02-1999 06-05-1996 25-04-1996 25-06-1997 06-06-1997 25-04-1996



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

U.S. APPLICATION NUMBER NO. 10/521,104	FIRST NAMED APPLICANT Kira Salonijs	ATTY. DOCKET NO. VA/H-32622A
INTERNATIONAL APPLICATION NO. PCT/EP03/07605		
I.A. FILING DATE 07/14/2003	PRIORITY DATE 07/15/2002	

1095  
 NOVARTIS  
 CORPORATE INTELLECTUAL PROPERTY  
 ONE HEALTH PLAZA 104/3  
 EAST HANOVER, NJ 07936-1080

CONFIRMATION NO. 7063  
 371 ACCEPTANCE LETTER



Date Mailed: 02/28/2005

## NOTICE OF ACCEPTANCE OF APPLICATION UNDER 35 U.S.C 371 AND 37 CFR 1.495

The applicant is hereby advised that the United States Patent and Trademark Office in its capacity as a Designated / Elected Office (37 CFR 1.495), has determined that the above identified international application has met the requirements of 35 U.S.C. 371, and is ACCEPTED for national patentability examination in the United States Patent and Trademark Office.

The United States Application Number assigned to the application is shown above and the relevant dates are:

<u>02/14/2005</u>	<u>02/14/2005</u>
DATE OF RECEIPT OF 35 U.S.C. 371(c)(1), (c)(2) and (c)(4) REQUIREMENTS	DATE OF COMPLETION OF ALL 35 U.S.C. 371 REQUIREMENTS

A Filing Receipt (PTO-103X) will be issued for the present application in due course. **THE DATE APPEARING ON THE FILING RECEIPT AS THE " FILING DATE" IS THE DATE ON WHICH THE LAST OF THE 35 U.S.C. 371 (c)(1), (c)(2) and (c)(4) REQUIREMENTS HAS BEEN RECEIVED IN THE OFFICE. THIS DATE IS SHOWN ABOVE.** The filing date of the above identified application is the International filing date of the international application (Article 11(3) and 35 U.S.C. 363). Once the Filing Receipt has been received, send all correspondence to the Group Art Unit designated thereon.

The following items have been received:

- Copy of the International Application filed on 01/11/2005
- Copy of the International Search Report filed on 01/11/2005
- Preliminary Amendments filed on 01/11/2005
- Information Disclosure Statements filed on 01/11/2005
- Oath or Declaration filed on 02/14/2005
- Copy of references cited in ISR filed on 01/11/2005
- U.S. Basic National Fees filed on 01/11/2005
- Priority Documents filed on 01/11/2005

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

---

PATRICIA A BOOKER

Telephone: (703) 308-9140 EXT 204

**PART 3 - OFFICE COPY**

FORM PCT/DO/EO/903 (371 Acceptance Notice)

FILING BY "EXPRESS MAIL" UNDER 37 CFR 1.10	
EV443780348015	January 11, 2005
Express Mail Label Number	Date of Deposit

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE PCT NATIONAL STAGE APPLICATION OF  
SALONIUS ET AL.

INTERNATIONAL APPLICATION NO: PCT/EP03/07605

FILED: 14 JULY 2003

U.S. APPLICATION NO: Not Yet Assigned

35 USC §371 DATE:

FOR: VACCINE AGAINST SALMONID RICKETTSIAL SEPTICAEMIA BASED ON  
ARTHROBACTER CELLS

MS: Amendment  
Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This paper is being filed within three months of the date of entry of the national stage as set forth in 37 C.F.R. §1.491 of the international application. Therefore, no fees are required. If a fee is deemed to be required, the Commissioner is hereby authorized to charge such fee to Deposit Account No. 19-0134.


In accordance with 37 C.F.R. §1.56, applicants wish to call the Examiner's attention to the references cited on the attached form(s) PTO-1449.

The listed references were cited in the international stage search report. Since these references are of record in the instant PCT application PCT/EP03/07605, copies are not enclosed herewith.

The Examiner is requested to consider the foregoing information in relation to this application and indicate that each reference was considered by returning a copy of the initialed PTO 1449 form(s).

Respectfully submitted,

Novartis  
Corporate Intellectual Property  
One Health Plaza, Building 104  
East Hanover, NJ 07936-1080  
(862) 778-7922  
Date: January 11, 2005

  
David L. Marks  
Attorney for Applicants  
Reg. No. 37,881

FORM PTO-1449  
(REV. 7-85)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY. DOCK  
VA/H-32622A  
APPLICATION NO.  
Not Yet Assigned  
APPLICANT  
SALONIUS ET AL.  
FILING DATE

10/521104

Group

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	OFFICE	CLASS	SUBCLASS	TRANSLATION YES NO	
	AM	WO 98 33884	8/6/98	WIPO			<input type="checkbox"/>	<input type="checkbox"/>
	AN	WO 96 11707	4/25/96	WIPO			<input type="checkbox"/>	<input type="checkbox"/>
	AO						<input type="checkbox"/>	<input type="checkbox"/>
	AP						<input type="checkbox"/>	<input type="checkbox"/>
	AQ						<input type="checkbox"/>	<input type="checkbox"/>

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

AR	Kuzyk et al., "An Efficacious Recombinant Subunit Vaccine Against the Salmonid Recketttsial Pathogen Prscirickettsia Salmonis", Vaccine, Vol. 19, No. 17-19, pp. 2337-2342 (2001)
AS	Kuzyk et al., "Antigenic Characterization of the Salmonid Pathogen Piscirickettsiasalmonis", Infection and Immunity, Vol. 64, No. 12, pp. 5202-5210, (1996)
AT	Koch, et al., "16S RDNA Studies on Members of Arthrobacter and Micrococcus: An aid for their Future Taxonomic Restructuring", FEMS Microbiology Letters, Vol. 123, No. 1/2, pp 167-171, (1994)

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial of reference considered, whether or not citation is in conformance with MPEP 609: Draw a line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.

FORM PTO-1449  
(REV. 7-85)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Sheet 2 of 2

ATTY. DOCK  
VA/H-32622A  
APPLICATION NO.  
Not Yet Assigned  
APPLICANT  
SALONIUS ET AL.  
FILING DATE

10/521 104

Group

EXAMINER  
INITIAL

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

DA	Gudding et al., "Recent Developments in Fish Vaccinology", Veterinary Immunology and Immunopathology, Vol. 72, pp 203-212, (1999)
DB	Jones, "The Effect of Microbial Extracts on the Severity of Experimental <i>Piscirickettsia</i> Salmonis Infection in COHO Salmon, <i>Oncorhynchus Kisutch</i> ", Developments in Biological Standardization, Vol. 90, page 430, (1997)
DC	
DD	
DE	
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DI	
DJ	
DK	
DL	
DM	
DN	

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial of reference considered, whether or not citation is in conformance with MPEP 609: Draw a line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.